

What is claimed is:

[Claim 1] 1. A multilayer film structure for absorbing electromagnetic wave, comprising:

a plurality of polymer films having a multi-film stacking structure, wherein the polymer films are composed of a carbon group compound structure; and
a plurality of permeability films formed on each surface of the polymer films.

[Claim 2] 2. The multilayer film structure of claim 1, wherein the permeability films comprise a metal film.

[Claim 3] 3. The multilayer film structure of claim 2, wherein a thickness of the metal film is in a range of 10 μm to 100 μm .

[Claim 4] 4. The multilayer film structure of claim 2, wherein the metal film comprises an alloy film.

[Claim 5] 5. The multilayer film structure of claim 2, wherein the metal film is a stacking layer composed of at least one layer in the group consisted of aluminum layer, nickel layer, iron layer, copper layer and cobalt layer.

[Claim 6] 6. The multilayer film structure of claim 1, wherein the carbon group compound structure comprises a carbon containing particle.

[Claim 7] 7. The multilayer film structure of claim 6, wherein the carbon containing particle comprises a nanoparticle.

[Claim 8] 8. The multilayer film structure of claim 1, wherein the polymer films comprise a film having a far-infrared ceramic.